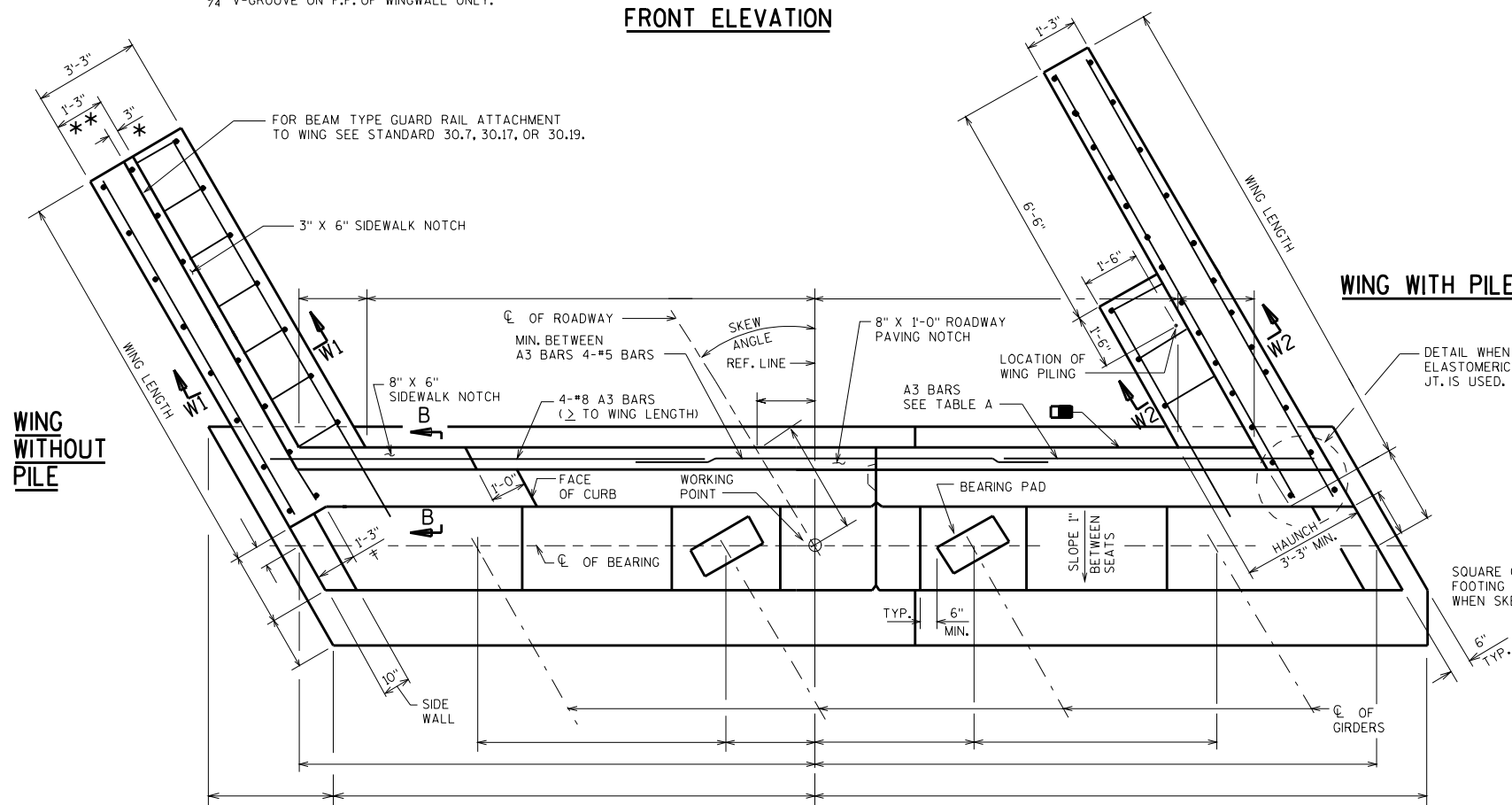


FRONT ELEVATION



WING WITH SIDEWALK

P_{DES} = 1.3 (PDL+5/3 PLL)

P _{DES} k/FT.	FOOTING STEEL SIZE	FOOTING DEPTH 'D'
22	#5	2'-0"
34	#6	2'-0"
46	#6	2'-3"
52	#7	2'-3"

PLAN

**WING WITH SLOPED
FACE PARAPET**

P = PDL + PLL, h = WING HEIGHT

PILE REACTIONS PER FOOT IN KIPS
FRONT ROW = $P(.19+DC/4.26)+0.035(h+1.5)^2$
BACK ROW = $P(.807-DC/4.26)+8.3-.009(h+1.5)^2$

DESIGNER NOTES

PILING SPACING IN ABUTMENT FOOTING SHALL BE 8'-0" MAXIMUM.

WHEN BODY SECTION IS MORE THAN ± 50'-0" LONG PROVIDE VERTICAL CONSTRUCTION JOINT, RUN BAR STEEL THRU JOINT, SEAL JOINT WITH 18" RUBBERIZED MEMBRANE WATERPROOFING.

IN "FRONT ELEVATION" VIEW, GIVE ELEVATION OF ALL BEARING AREAS AND ELEVATION AT BOTTOM OF RAIL PARAPETS AT EACH END OF WINGS.

LAP LENGTHS FOR HORIZONTAL BARS SHALL BE BASED ON A "CLASS C" TOP TENSION LAP SPLICE.

■ 18" RUBBERIZED MEMBRANE WATERPROOFING. SEAL ALL HORIZ. AND VERT. JOINTS ON BACKFACE ABOVE FOOTING.

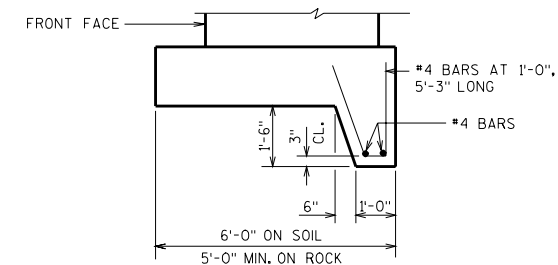
▲ KEYED CONST. JOINT FORMED BY BEVELED 2" X 6".

● #4 AT 9" BEAM SEAT, SPACE AT 1'-6" BETWEEN SEATS. THIS STEEL IS REQUIRED ONLY IF DIMENSION "A" EXCEEDS 4".

† 1'-5" WHEN VERTICAL FACE PARAPET TYPE "TX" IS USED.

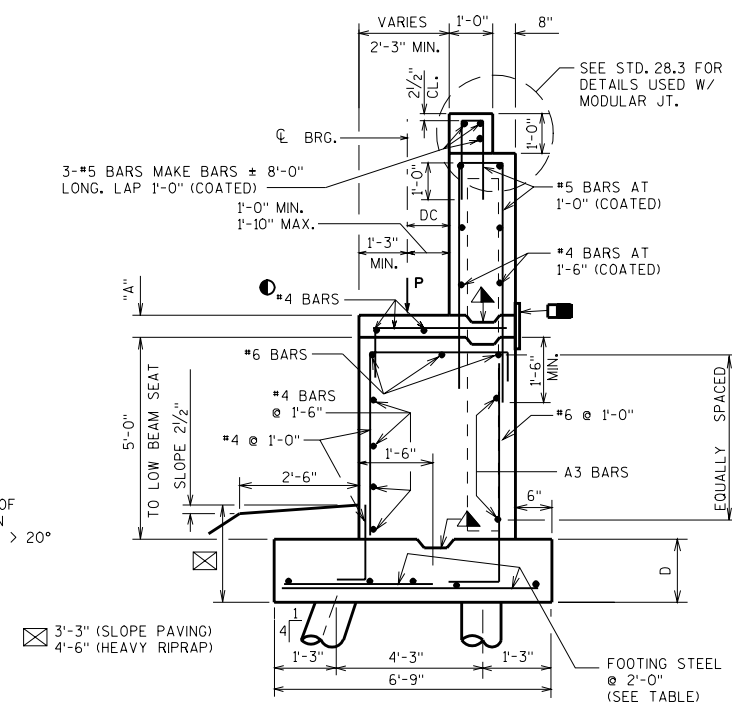
* 4" WHEN VERTICAL FACE PARAPET TYPE "TX" IS USED.

** WINGWALL WIDTH SHALL BE 1'-6" WHEN VERTICAL FACE PARAPET TYPE "TX" IS USED.



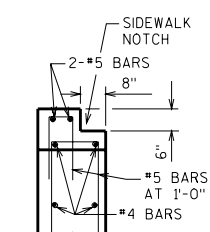
KEY DETAIL

FOR SILL ABUTMENT WITHOUT PILING PLACED ON SOIL



SECTION THRU BODY

ALL FOOTING BARS NOT IDENTIFIED ARE #4 BARS



SECTION B

ABUTMENT TYPE A3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DEVELOPMENT SECTION

APPROVED: _____

DATE:
6-02